

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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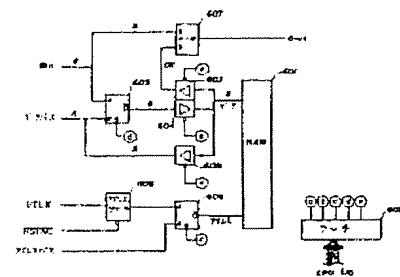
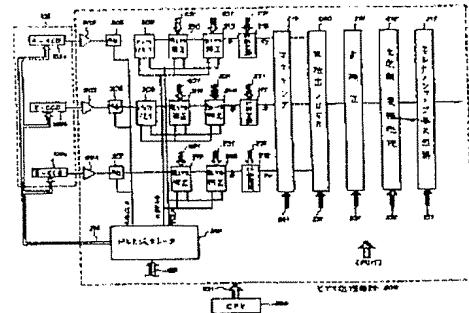
APPLICATION DATE : 26-09-90  
APPLICATION NUMBER : 02254237

APPLICANT : CANON INC;

INVENTOR : HASEGAWA SHIZUO;

INT.CL. : H04N 1/40 G06F 15/64 H04N 1/04

TITLE : PICTURE READER



ABSTRACT : PURPOSE: To prevent the deterioration of the picture of a picture reader by independently setting correction factors to each separated color at every picture element between the 1st and 2nd white plates at the time of shading correction.

CONSTITUTION: In an initializing mode, reflected density ratios between white paper and a white plate are measured at every color CCD and every picture element after the white paper is placed on a platen glass plate and the measured ratios are supplied to the backup memory of a CPU 230. Before starting copying or reading operations, the white plate is irradiated with an exposure lamp and white picture data of a uniform white level outputted from each CCD are stored in a one-line quantity correction RAM 601 through a selector 602 and gate 604. Accordingly, the RAM 601 is accessed by using an address from the address bus of the CPU 230 and the white picture data are read out to the work register of the CPU 230 through a gate 609 and data bus. Each color data which are uniform over the main scanning direction and proportional to inputted light quantities are respectively inputted to logarithmic conversion circuits 216, 217, and 218 in accordance with the relative luminosity factor characteristic of men's eyes.

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